

Work Order ID 51815

September 3, 2009 3:09:54 PM



Page 1

Item ID: D350-561-041

Accept



Setup Start



Revision ID: C

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 9/03/09 Start Qty: 3.00



Cust Item ID:

Required Date: 9/04/09 Req'd Qty: 3.00



Customer:

Reference: ECN09-060 -REWORK

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D350-561	Rev C								

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile and create labels per PPP D350-561-041CHG005

Handwritten: BG 09/09/03 (Red+white x3) 8/26/07

110

Pick Kit

0.00



Packaging

Packaging

Memo

PULL FROM STOCK:
1 X D350-561-041 B31471
2 x D350-561-041 B32518

REMOVE 1 X D2012-105 REVD - SCRAP PART
REPLACE WITH 1 X D2012-105 REV.E
B _____ PER ECN 09-060

Handwritten: 31483 (2x) 30229 (1) 9/9/3 SP

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Item ID: D350-561-041

Accept



Setup Start



Revision ID: C

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 9/03/09 Start Qty: 3.00



Cust Item ID:

Required Date: 9/04/09 Req'd Qty: 3.00



Customer:

Reference: ECN09-060

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

2) 8/30/09



QC

Memo

0.00

(B)

Quality Control

130

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP - USING NEW B/N, NEW LABELS
REQ'D
D350-561-041 Location: 43 Rev: G

9/9/10 (2x) J

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/09/10 HJ

09-9-08 (3)

Picklist Print

Page 1

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Work Order ID: 51815

Parent Item: D350-561-041RevC

Parent Item Name: Single Cargo Mirror Assembly

Comments:

Start Date: 9/03/09

Required Date: 9/04/09

Start Qty: 3.00

Required Qty: 3.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2012-105RevE		Manufactured	No				Each	9.0000	1.0000			



Arm

DART
Dart Aerospace Ltd.
1270 ABERDEEN ST.
HAWKESBURY, ON, CANADA K6A 1K7

TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D350-561-041	CHG	CHG006
DESC.	Single Cargo Mirror Assy	STC	SH91-20
LOT	B51815	STC	SH856NE
MODEL	AS350/355	STC	

MADE IN CANADA D2729-1

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST229

51102

9

9

51102 9/9/09 (34) 51

DART
Dart Aerospace Ltd.
1270 ABERDEEN ST.
HAWKESBURY, ON, CANADA K6A 1K7

TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D350-561-041	CHG	CHG006
DESC.	Single Cargo Mirror Assy	STC	SH91-20
LOT	B51815	STC	SH856NE
MODEL	AS350/355	STC	

MADE IN CANADA D2729-1

TEL: 1-613-632-3336
FAX: 1-613-632-4443

DART
Dart Aerospace Ltd.
1270 ABERDEEN ST.
HAWKESBURY, ON, CANADA K6A 1K7

TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D350-561-041	CHG	CHG006
DESC.	Single Cargo Mirror Assy	STC	SH91-20
LOT	B51815	STC	SH856NE
MODEL	AS350/355	STC	

MADE IN CANADA D2729-1

DART
TRANSPORT CANADA APPROVAL # 09-89

P/N	D350-561-041	CHG	CHG005
DESC.	Single Cargo Mirror Assy	STC	SH91-20
LOT	B31471	STC	SH856NE
MODEL	AS350/355	STC	

MADE IN CANADA

TEL: 1-613-632-3336
FAX: 1-613-632-4443

Location/Lot Activity

September 3, 2009 3:04:25 PM

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Criteria : Item ID: D350-561-041RevC All Locations All Lots All Transaction Types All Dates Report on Locations & Lots

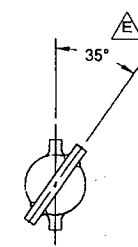
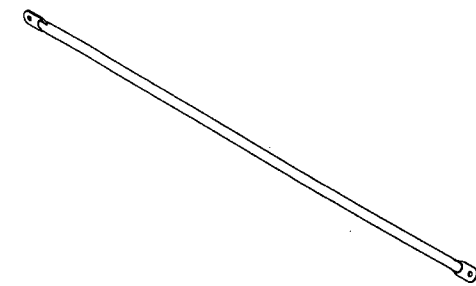
Transaction Type	Item ID/ Item Name	Warehouse Location ID	Reason	Employee ID Location Code	Loc Trans Date	LocQtyPrior/ Location Qty	Lot Number	LotQtyPrior/ Lot Qty	Shelf Life Date Lot Code	Extended Cost
Rework	D350-561-041RevC / Single Cargo Mirror Assembly	Main Warehouse	51815	LACE01		3.0000		2.0000		
		FG			9/03/09	-3.0000	32518 ✓	-2.0000		-\$564.65
		Main Warehouse	51815	LACE01		3.0000		1.0000		
		FG			9/03/09	-3.0000	31471 ✓	-1.0000		-\$282.33
								-3.0000		-\$846.98

see 1st page of w/o

Status	Item ID	Rev	Name	Start Date	Quantity	Per UOM	Map	De	Scrap	Qun	meid	N	C	ICX	I	Sort	adtime	Offset	Da	Plan	Typety	1	Per	Orde	urch	to	W	gnore	Cosate	Last	Mc
✓	AN3-4A		Bolt	1/01/08	2.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN3-5A		Bolt	1/01/08	2.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN3-6A		Bolt	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN4-10A		Bolt	1/01/08	2.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN4-5A		Bolt	1/01/08	3.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN960JD10		Washer	1/01/08	14.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	AN960JD416		Washer	1/01/08	9.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2011-101	G	6" Mirror	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-101	C	Arm	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-103	B2	Arm	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-105	E	Arm	7/30/09	1.0000	Ea...		12	0	0.						0		0	MRP											7/30/09...	
✓	D2012-107	C	Clevis	1/01/08	2.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-109	A	Bracket	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-111	A	Bracket	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-113	C	Clamp	1/01/08	4.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2012-115	A	Bracket, Clevis	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2022-101		Spacer	1/01/08	4.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	D2856-100-325	A	Abrasion Strip	1/01/08	1.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	MS21042L3		Nut	1/01/08	5.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	
✓	MS21042L4		Nut	1/01/08	5.0000	Ea...		12	0	0.						0		0	MRP											6/05/09...	

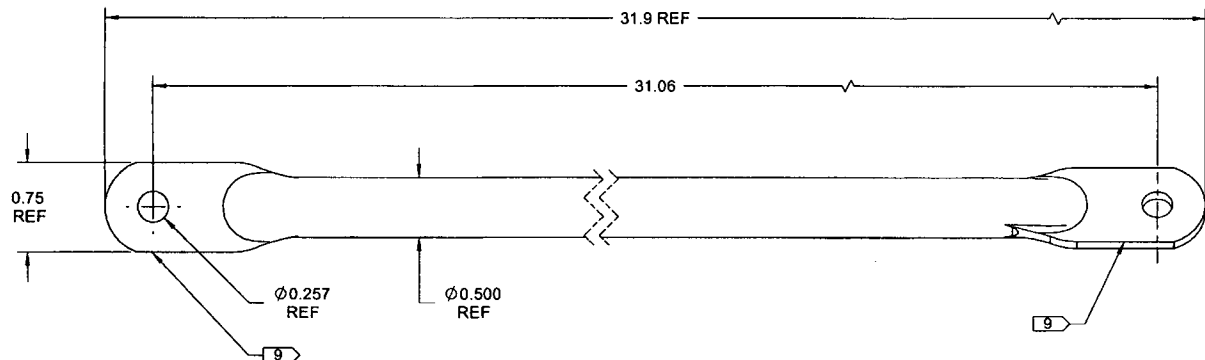
REFERENCE ONLY

REFERENCE ONLY



51815

RELEASED
9/16/25 MP



D2012-105 ARM

- NOTES:
- 1) MATERIAL: AISI 304/316 SS TUBE $\phi 0.500 \times 0.035$ WALL PER ASTM A213/A269 OR ASME A213 (REF DART SPEC. M304TR0500W.035)
 - 2) FINISH: POWDER COAT "BLACK SANDTEX" (4.3.5.7) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2012-105" USING REMOVABLE TAG
 - 7) WEIGHT: 0.47 lbs
 - 8) MAKE PER TEMPLATE DT8116
 - 9) PUNCH BOTH ENDS PER SPEC CONTROL DWG D2727

E	REFORMAT DWG, ANGLE DIMENSION POSITION AND VALUE CHG: 35° WAS 30° (ZN C2-1), PER NCR 09-060	CP	09.06.04
D	ADDED TEMPLATE & SPEC CNTRL DWG, REDRAWN IN CAD, ADD FINISH	KE	98.04.28
C	CORRECTED VIEWS PER TSR A374	KE	97.09.03
B	30° ANGLE ROTATED 60° CCW	JB	96.06.25
A	NEW ISSUE, DRAWN FROM D2012	H	92.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	GR		
CHECKED	AP	DRAWING NO.	REV. E
MFG. APPR.	AP	D2012-105	SHEET 1 OF 1
APPROVED	AP	TITLE	SCALE
DE APPR.	AP	ARM	NTS
DATE	09.06.04	<small>COPYRIGHT © 1992 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

4. WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-561-041 Single Mirror Installation	2.5 lb 1.1 kg	+39.0 in +0.99 m	+97.5 in-lb +1.09 m-kg	9.0 in 0.23 m	22.5 in-lb 0.25 m-kg
D350-561-043 Dual Mirror Installation	3.2 lb 1.5 kg	+40.0 in +1.02 m	+128.0 in-lb +1.53 m-kg	8.8 in 0.22 m	28.2 in-lb 0.33 m-kg

5. PARTS LIST

Qty -041	Qty -043	Qty -045	Part Number	Description
X	1	1	D350-561-041	SINGLE MIRROR INSTALLATION
	X		D350-561-043	DUAL MIRROR INSTALLATION
	1	X	D350-561-045	MIRROR KIT
1		1	D2011-101	Mirror
1			D2012-101	Arm
1			D2012-103	Arm
1			D2012-105	Arm
2			D2012-107	Clevis
1			D2012-109	Bracket
1			D2012-111	Bracket
4		2	D2012-113	Clamp
1			D2012-115	Bracket
4			D2022-101	Spacer
4		2	D2856-100-325	Abrasion Strip
1*		1*	D3014-1	Locknut
2		1	AN3-4A	Bolt
2		1	AN3-5A	Bolt
1			AN3-6A	Bolt
3			AN4-5A	Bolt
2			AN4-10A	Bolt
14		6	AN960JD10	Washer
9		2	AN960JD416	Washer
1*		1*	AN960JD416L	Washer
5		2	MS21042L3	Nut (or MS21042-3)
5			MS21042L4	Nut (or MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries